

**CENTRAL VALLEY PROJECT  
SCHEDULE OF IRRIGATION CAPITAL AND PROJECT USE ENERGY COSTS BY COMPONENT  
AS OF SEPTEMBER 30, 2002  
2004 IRRIGATION WATER RATES**

		Allocation of Project Use Energy Costs					
Component/Facility		Irrigation Capital Costs at 09/30/02	Historical & Projected (1981-2030) KWH Per AF	Ratio of Total	Central Valley Project		Total Capital at 09/30/02
					(BOR)	(DOE)	
					3/	3/	
<b>Storage</b>	1/, 7/, 8/		3/				
San Felipe Unit Contractors		4,035,092					4,035,092
All Other Contractors		365,803,915	11,517,434,648	0.201215	18,319,812	7,778,751	391,902,479
Total Storage	2/	369,839,007	11,517,434,648	0.201215	18,319,812	7,778,751	395,937,570
<b>Conveyance</b>							
Contra Costa WD	6/, 8/	199,802					199,802
All Other Contractors	4/	400,947,675					400,947,675
Total Conveyance		401,147,478					401,147,478
<b>Conveyance Pumping</b>							
Corning Pumping Plant		2,563,888	117,930,696	0.002060	187,582	79,649	2,831,119
Dos Amigos Pumping Plant		13,074,635	7,962,098,222	0.139102	12,664,638	5,377,515	31,116,789
O'Neill Pump-Generator Plant		11,392,466	3,279,334,497	0.057292	5,216,161	2,214,827	18,823,455
Tracy Pumping Plant		22,516,827	25,744,849,690	0.449776	40,950,161	17,387,794	80,854,782
Total Conveyance Pumping		49,547,816	37,104,213,105	0.648229	59,018,543	25,059,786	133,626,145
<b>Direct Pumping</b>	7/						
Bella Vista WD (Wintu PP)		870,019	274,804,802	0.004801	437,109	185,600	1,492,728
Colusa County WD Canalside Relifts		12,635,431	370,089,995	0.006466	588,671	249,955	13,474,057
Colusa Service Area - Cortina		141,792					141,792
Colusa Service Area - Davis		180,305					180,305
Contra Costa Pumping Plants			5,499,517	0.000096	8,748	3,714	12,462
Corning WD Canalside Relifts		2,779,735	185,131,435	0.003234	294,473	125,036	3,199,244
Dunnigan WD Canalside Relifts		1,700,234	4,189,654	0.000073	6,664	2,830	1,709,727
Kanawha WD Canalside Relifts		2,753,824	47,608,405	0.000832	75,727	32,154	2,861,704
Orland-Artois WD Canalside Relifts		7,496,789	102,273,368	0.001787	162,678	69,074	7,728,541
Panoche WD Relifts		16,025	2,584,593	0.000045	4,111	1,746	21,882
Proberta WD Canalside Relifts		172,158	8,155,426	0.000142	12,972	5,508	190,639
San Benito County WD:							
Pacheco Pumping Plant		5/	230,329,530	0.004024	366,366	155,562	521,928
Gianelli, William R. Pump-Generator Plant	1/	177,857	339,905,900	0.005938	540,660	229,569	948,086
San Luis WD Canalside Relifts & Turnouts		8,244,184	1,316,662,198	0.023003	2,094,304	889,259	11,227,747
Santa Clara Valley WD:							
Coyote Pumping Plant		5/	41,529,257	0.000726	66,057	28,048	94,106
Pacheco Pumping Plant		5/	144,288,385	0.002521	229,507	97,451	326,958
Gianelli, William R. Pump-Generator Plant	1/	111,417	212,931,765	0.003720	338,693	143,812	593,922
State-Delta Pumping Plant (Cross Valley Canal)			1,375,204,223	0.024026	2,187,421	928,798	3,116,220

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		Historical & Projected (1981-2030) KWH Per AF 3/	Ratio of Total	Central Valley Project		
				(BOR)	(DOE)	
				3/	3/	
Westlands WD:						
Pleasant Valley Canalside Relifts	1,341,825	12,588,670	0.000220	20,024	8,502	1,370,351
Pleasant Valley Pumping Plant	9,907,738	922,237,636	0.016112	1,466,926	622,869	11,997,533
Westlands WD Canalside Relifts	36,315,985	2,967,498,435	0.051844	4,720,149	2,004,217	43,040,351
Westside WD Canalside Relifts	7,002,377	54,162,722	0.000946	86,152	36,581	7,125,110
Total Direct Pumping	91,847,696	8,617,675,916	0.150555	13,707,410	5,820,286	111,375,392
San Luis Drain	59,181,552					59,181,552
Grand Total	971,563,548	57,239,323,669	1.000000	91,045,765	38,658,823	1,101,268,136
OUT-OF-BASIN COSTS - SAN FELIPE UNIT		5/				
Conveyance	64,382,319					64,382,319
Direct Pumping	14,181,547					14,181,547
Total	78,563,866					78,563,866

**Footnotes:**

1/ Allocation of Storage Costs:

Storage Costs:	San Felipe Unit				
		Suballocation of Storage Costs (Dir. Pump. Appl. to SL/PG)		All Other Storage Contractors	Total
	Storage	San Benito	Santa Clara		
	Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,782,198	1,095,764	686,434	150,758,464
Ratios	0.011683	0.614839	0.385161	0.988317	1.000000
Allocated Gianelli, WR Pump-Generator Costs	289,275	177,857	111,417	24,470,136	24,759,411
Allocated Other Storage Costs	4,035,092			341,333,779	345,368,871
Total	4,324,366	177,857	111,417	365,803,915	370,128,281

2/ Includes \$14,534,810 adjustment for Corps of Engineers Obligations Assumed (Hidden & Buchanan).

3/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration (DOE). The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.

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**Footnotes: (continued)**

- 4/ Glide WD does not have a distribution system, therefore the cost of the Relift Pumping Plant is included in conveyance for ratesetting purposes.
- 5/ These costs are part of the total Out-of-Basin costs, which are the specific repayment responsibility of the Out-of-Basin contractors (San Benito County WD and Santa Clara Valley WD). As a result, they are excluded from allocation to the In-Basin contractors.
- 6/ Contra Costa Water District's conveyance facility costs are handled through a repayment contract.
- 7/ The Storage, Conveyance, and Direct Pumping components per Table 20 - Capital Costs for 2004 Water Service Rates Central Valley Project, California as of September 30, 2002 differ from those shown in Ratesetting Schedule A-5. The differences are attributed to (1) the direct pumping costs of the Gianelli WR Pump-Generator allocated to San Felipe Unit Contractors (see Footnote 1/); (2) the allocation of Direct Pumping costs to the San Felipe Unit - these costs are treated as Out-of-Basin costs; and (3) the treatment of Glide WD Relift Pumping Plant costs (see Footnote 4/).
- 8/ Legislation was passed which provides that Sugar Pine Dam and Reservoir and Sly Park Dam and Reservoir costs be excluded, in part, from reimbursement. However, until the respective contractors, Foresthill Public Utility District and El Dorado Irrigation District, pay for a determined amount (see legislation), the costs will continue to be included in the water rates.

**Reconciliation of Capital Costs for 2004 Water Service Rates CVP CA as of September 20, 2002 - Table 20 with Ratesetting - Schedule A-5:**

Total Capital Costs @ 9/30/02 Per Schedule A-5	1,101,268,136		
Less: Storage	370,128,281	7/	
Conveyance			
(In-Basin)	401,147,478	7/	
(Out-of-Basin)	64,382,319		
Conveyance Pumping	49,547,816		
Direct Pumping:		7/	
(In-Basin)	91,558,421		
(Out-of-Basin - Includes PUE)	14,181,547		
San Luis Drain	59,181,552		
Project Use Energy (BOR)	91,045,765		
Project Use Energy (DOE)	38,658,823		
Subtotal	(78,563,866)		
Add: Out-of-Basin Costs			
Conveyance	64,382,319		
Direct Pumping (Includes PUE)	14,181,547		
Difference	(0)		78,563,866

**Sources:**

Schedules A-7 and A-12  
Table 20 - Capital Costs for 2004 Water Service Rates Central Valley Project, California As of September 30, 2002  
Financial Statement for Period Ending September 30, 2002 Central Valley Project, California - Consolidated  
CVO Schedule of KWH's per acre foot